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(54) PRODUCTION OF FEED AND FERTILIZER FROM POULTRY DROPPING

(57)Abstract:

PURPOSE: To produce an easily digestible feed and fertilizer, economically, by heating poultry droppings with steam, pressing and kneading to remove the solution, and drying the product.

CONSTITUTION: The poultry droppings of broiler or layer is steamed directly or indirectly with steam under atmospheric pressure W4kg/cm2G at 100W150° C for about 30minW2hr, and pressed under a pressure of 10W100kg/cm2 to effect the solid-liquid separation and the pressure kneading. The water-content of the poultry dropping can be decreased to about 45W55% and the smell of the dropping can be remarkable lowered by this process. The product is dried by the indirect heating with steam, etc., drying with hot air, or their combination to obtain the feed having a water-content of $\leq 10\%$ and high digestibility. When the water-content of the poultry dropping used as the raw material is 80%, the fuel consumed by the present process is as low as about 1/3W1/4 of that of the conventional process, and accordingly, the present process is extremely economical. The odor generation in the drying process is also very low.

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